

[54] **GAS MOTOR POWER SYSTEM**

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### Related U.S. Application Data

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[58] **Field of Search**..... 60/39.68, 39.6, 39.63,  
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[57] **ABSTRACT**

A power system including a gas motor connected to a source of pressurized gas. Fuel and compressed gas are injected into a combustion chamber. An ignitor mounted to the structure housing the combustion chamber ignites the fuel and gas mixture within the chamber. A hot gas storage tank is connected to the combustion chamber to receive the burned gases subsequent to ignition. A spring biased valve is mounted to the structure having a head sealingly closing the exhaust outlet of the chamber. The valve moves away from the exhaust outlet when the pressure within the chamber is sufficiently great. The hot gases within the storage tank are then routed through another valve to the gas motor.

**5 Claims, 7 Drawing Figures**

